



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/903,991	07/13/2001	Yuri Poeluev	06944.0042	2243
27155	7590	10/04/2004	EXAMINER	
MCCARTHY TETRAULT LLP			TRAN, AMY	
SUITE 4900, P.O. BOX 48			ART UNIT	PAPER NUMBER
66 WELLINGTON ST. WEST				
TORONTO, ON M5K 1E6			2157	
CANADA			DATE MAILED: 10/04/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/903,991	POELUEV, YURI
	Examiner	Art Unit
	Amy Tran	2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 13 July 2001.
- 2a) This action is FINAL.
- 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-11 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

Detailed Action

Drawings

1. This application has been filed with informal drawings, which are acceptable for examination purpose only. Formal drawings will be required when the application is allowed.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-5, 8-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Munger (U.S. Patent No. 6,502,135). Munger's patent meets all the limitations

for claims 1-5, 8-9 recited in the claimed invention.

4. Regarding to claim 1:

Munger teaches a method for resolving a web site address when connected with a virtual private network (VPN) (figures 26-27) comprising the steps of:
receiving a domain name request from a public host (column 39 lines 42-46,
figure 26, wherein client is read as a public host);
resolving said domain name request at a domain name server (DNS) associated
with said VPN (column 39 lines 46-50, figure 26, wherein DNS proxy is read as ISP
DNS and gatekeeper is read as domain name server (DNS) associated with said VPN);
and

returning an address location corresponding to said domain name request to said
public host (column 39 lines 50-52, wherein client is read as public host)

5. Regarding to claim 2:

Munger teaches a method wherein prior to step of resolving a domain name
request (column 39 lines 46-50, figure 26, wherein DNS proxy is read as ISP DNS and
gatekeeper is read as domain name server (DNS) associated with said VPN), said
domain name request is forwarded to said DNS associated with said VPN (column 39
lines 44-46, wherein gatekeeper is read as DNS associated with VPN).

6. Regarding to claim 3:

Munger teaches a method of resolving a domain name request for a requesting host, said host connected to a virtual private network (VPN) (figures 26-27) comprising the steps of:

intercepting a domain name request directed at an internet service provider (ISP) domain name server (DNS) and redirecting said domain name request to a VPN DNS (column 38 lines 23-36, wherein DNS proxy is read as ISP DNS and gatekeeper is read as VPN DNS);

receiving a domain name response from said VPN DNS (column 38 lines 37-38, wherein gatekeeper is read as VPN DNS); and

returning said domain name response to said requesting host (column 38 lines 37-38, wherein user computer is read as host)

7. Regarding to claim 4:

Munger teaches the step of connecting said host to said domain name resulting from said domain name request (column 37 line 24-39, figure 25, wherein client is read as host).

8. Regarding to claim 5:

Munger teaches the method for resolving a web site address when connected with a virtual private network (VPN) (figures 26-27) comprising the steps of:

intercepting a domain name request from a public host addressed to a pre-determined domain name server (DNS) (column 37 lines 24-29, wherein "Yahoo.com" is

Art Unit: 2157

an example of a pre-determined domain name server (DNS) which is determined by the user is given)

forwarding said domain name request to a DNS associated with said VPN

(column 39 lines 44-48, figure 26, wherein gatekeeper is read as a DNS associated with VPN);

receiving a domain name response including an address location corresponding to said domain name request (column 39 lines 48-50, figure 26) ; and

forwarding said domain name response to said public host (column 39 lines 50-52, figure 26, wherein client is read as public host).

9. Regarding to claim 8:

Munger discloses an apparatus for resolving a web site address for a public host when connected with a virtual network (VPN) comprising:

A VPN domain name server (DNS) for resolving domain name requests (column 38 lines 25-36, figure 26, wherein gatekeeper is read as VPN DNS and DNS proxy is read as ISP DNS); and

A software module (column 38 lines 23-40, figures 26-27, wherein steps that are executed by DNS proxy server's software module) for forwarding a domain name request to said VPN DNS (column 39 lines 44-48, wherein gatekeeper is read as VPN DNS and DNS proxy server is read as ISP DNS) and for receiving a domain name response from said VPN DNS (column 39 lines 48-50, wherein gatekeeper is read as VPN DNS) and for forwarding said response to said public host (column 39 lines 48-52, wherein client is read as public host).

10. Regarding to claim 9:

Munger discloses domain names that are related to private web sites (reference 2604 in figure 26) of public web sites (reference 2602 in figure 26)(column 38 lines 14-21).

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 6-7, 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Munger et al. (US Patent No. 6,502, 135) in view of Herzog et al. (US Patent No. 6,425,003).

13. Regarding to claim 6:

Munger teaches the step of intercepting said domain name request (column 38 lines 23-36, wherein DNS proxy is read as ISP DNS and gatekeeper is read as VPN DNS)

Munger fails to teach the step of modifying said domain name request. However,

Herzog teaches the step of modifying a domain name request (column 4 lines 34-46).

It would have been obvious for one of ordinary skill in the art at the time the invention is made to modify Munger by adding step of modifying a domain name request before intercepting said domain name request because it would efficiently resolve where to forward a DNS request and this step is a way of forcing the DNS request to be routed to the selected DNS service .

14. Regarding to claim 7:

Munger teaches the step of forwarding said domain name request (column 39 lines 44-48).

Munger fails to teach the step of modifying said domain name response. However, Herzog teaches the step of modifying a domain name request (column 4 lines 34-46).

It would have been obvious for one of ordinary skill in the art at the time the invention is made to modify Munger by adding step of modifying a domain name before forwarding a domain name response because it would efficiently resolve where to forward a DNS response and this step is a way of forcing the DNS response to be routed to the selected DNS service.

15. Regarding to claim 10:

Munger discloses software module (column 38 lines 23-40, figures 26-27, wherein steps that are executed by DNS proxy server's software module)) for forwarding domain name request (column 39 lines 44-48) and forwarding domain name response (column 39 lines 48-52).

Munger fails to disclose modifying domain names requests and modifying domain names responses. However, Herzog discloses modifying domain name requests (column 4 lines 34-46) and modifying domain name responses (column 4 lines 34-46).

It would have been obvious for one of ordinary skill in the art at the time the invention is made to modify Munger by adding programming functions of modifying domain names requests and modifying domain name responses into the software module because it would efficiently resolve where to forward a DNS request and where to forward a DNS response and this step is a way of forcing the DNS request or the DNS response to be routed to the selected DNS service.

16. Regarding to claim 11:

Munger discloses an apparatus, wherein software is a driver (column 39 lines 44-52, wherein DNS proxy server's software module controls the processes of forwarding a DNS request and forwarding a DNS response)

Additional References

17. Mott, U.S. Pub. No. 2002/0103931.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amy Tran whose telephone number is (703) 305-8115. The examiner can normally be reached on Monday-Friday from 9:00 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, Ario Etienne can be reached at (703) 305-7562. The fax number is

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197(toll free).

AT
September 28, 2004



ARIO ETIENNE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100